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A SI/PSI, RSMS data stream and PCR/PTS processing algorithm for Koreasat digital DBS system

- [Dong-Hee Han](#) [Kyu-Tae Yang](#) [Jin-Ho Kim](#)

Satellite Broadcasting Sect., ETRI, Taejeon, South Korea

*This paper appears in:* Consumer Electronics, IEEE Transactions on  
On page(s): 398 - 404

May 1998

Volume: 44 Issue: 2

ISSN: 0098-3063

References Cited: 10

CODEN: ITCEDA

INSPEC Accession Number: 5949129

## Abstract:

The Koreasat DBS (digital broadcasting satellite) receiver (Kim et al. 1997) consists of a 45 cm antenna, LNB (low noise block), STB (set-top-box), smart card and remote-controller. In order to work with the DBS encoder, the STB should be designed and implemented to process an SI/PSI (service information/program specific information) and RSMS (resource and subscriber management system) (Kim et al. 1996) data stream. The SI/PSI and RSMS data stream comes from the transport stream packet via an RSMS. The SI/PSI and RSMS data stream is very important because it relates with channel information and conditional access. The definition of the SI/PSI and RSMS data stream for the Koreasat DBS system was based on the DVB (digital video broadcasting) standard and MPEG standard. This paper introduces an algorithm for SI/PSI and RSMS data stream processing as well as PCR/PTS (program clock reference/presentation time stamp) processing algorithm which is related with audio and video synchronization.

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 Daniela Rus , Devika Subramanian

ACM Transactions on Information Systems (TOIS) January 1997  
Volume 15 Issue 1

This article presents a customizable architecture for software agents that capture and access information in large, heterogeneous, distributed electronic repositories. The key idea is to exploit underlying structure at various levels of granularity to build high-level indices with task-specific interpretations. Information agents construct such indices and are configured as a network of reusable modules called structure detectors and segmenters. We illustrate our architectu ...

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Chengyuan Peng , Petri Vuorimaa

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October 2000

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